

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003488

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B23K26/24 B23K33/00 B60J5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B23K B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 200 997 A (BAYERISCHE MOTOREN WERKE AG) 12 November 1986 (1986-11-12) cited in the application page 3	1-3,5-9
Y	DE 199 32 415 C (THYSSEN KRUPP IND AG) 15 February 2001 (2001-02-15) cited in the application figure 3	1-7,9
Y	US 5 221 585 A (NAGEL GREGORY L ET AL) 22 June 1993 (1993-06-22) column 1, lines 63,64 column 4, lines 2-19 figure 4	1-7,9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *E* earlier document but published on or after the International filing date
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

Date of mailing of the International search report

29 June 2004

06/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 03/022612 A (SANKEI GIKEN KOGYO KK ; IIDA KAZUNARI (JP); OGAWA TAKASHI (JP); SUZUKI) 20 March 2003 (2003-03-20) figures 4,5 -----	1-9
A	US 2001/029702 A1 (HEUEL GERHARD) 18 October 2001 (2001-10-18) paragraphs '0008!, '0009!, '0019!; figures -----	1-9

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			EP	0200997 A2		12-11-1986
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